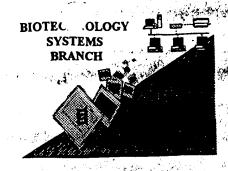
## RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:	09/581,861		
Source:	Pur/09	BEST AVAILABLE	COP
Date Processed by STIC:	4/25/2001	en de la comitación de la La comitación de la comit	

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER

- APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

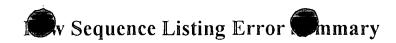
TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

## **Checker Version 3.0**

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address: http://www.uspto.gov/web/offices/pac/checker



SERIAL NUMBER: 09

## ERROR DETECTED SUGGESTED CORRECTION

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE The number/text at the end of each line "wrapped" down to the next line. Wrapped Nucleics This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3, as this will prevent "wrapping". The amino acid number/text at the end of each line "wrapped" down to the next line. Wrapped Aminos This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3, as this will prevent "wrapping". 3 \_\_\_\_\_ Incorrect Line Length The rules require that a line not exceed 72 characters in length. This includes spaces. The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs Misaligned Amino Acid Numbering between the numbering. It is recommended to delete any tabs and use spacing between the numbers. This file was not saved in ASCII (DOS) text, as required by the Sequence Rules. Non-ASCII Please ensure your subsequent submission is saved in ASCII text so that it can be processed. Sequence(s) \_\_\_\_ contain n's or Xaa's which represented more than one residue. Variable Length As per the rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the (ix) feature section that some may be missing. Patentin ver. 2.0 "bug" A "bug" in Patentin version 2.0 has caused the <220>-<223> section to be missing from amino acid . Normally, Patentin would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies primarily to the mandatory <220>-<223> sections for Artificial or Unknown sequences. missing. If intentional, please use the following format for each skipped sequence: Skipped Sequences Sequence(s) \_ (OLD RULES) (2) INFORMATION FOR SEQ ID NO:X: (i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS") (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: This sequence is intentionally skipped Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s). Sequence(s) \_\_\_\_ missing. If intentional, please use the following format for each skipped sequence. Skipped Sequences <210> sequence id number (NEW RULES) <400> sequence id number Use of n's or Xaa's Use of n's and/or Xaa's have been detected in the Sequence Listing. (NEW RULES) Use of <220> to <223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents. Use of "Artificial" Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. (NEW RULES) Valid response is Artificial Sequence. 12 \_\_\_\_ Use of <220>Feature Sequence(s) \_\_\_\_ are missing the <220>Feature and associated headings. (NEW RULES) Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial Sequence" or "Unknown" Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules) 13 \_\_ Patentin ver. 2.0 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted

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file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing).

Instead, please use "File Manager" or any other means to copy file to floppy disk.

Does Not Comply Corrected Diskette Needed

DATE: 04/25/2001

TIME: 08:41:43

PCT

```
Output Set: N:\CRF3\04252001\I581861.raw
      3 <110> APPLICANT: Cadus Pharmaceutical Corporation
      5 <120> TITLE OF INVENTION: YEAST CELLS EXPRESSING MODIFIED G PROTEINS AND METHODS
              OF USE THEREFOR
      8 <130> FILE REFERENCE: CPI-012C8PC
     10 <140> CURRENT APPLICATION NUMBER: US/09/581,861
     11 <141> CURRENT FILING DATE: 2000-06-16
     13 <150> PRIOR APPLICATION NUMBER: USSN 08/946,298
     14 <151> PRIOR FILING DATE: 1997-10-07
     16 <150> PRIOR APPLICATION NUMBER: USSN 08/689,172
     17 <151> PRIOR FILING DATE: 1996-08-06
     19 <150> PRIOR APPLICATION NUMBER: USSN 08/582,333
     20 <151> PRIOR FILING DATE: 1996-01-17
     22 <150> PRIOR APPLICATION NUMBER: USSN 08/463,181
     23 <151> PRIOR FILING DATE: 1995-06-05
     25 <150> PRIOR APPLICATION NUMBER: USSN 08/322,137
     26 <151> PRIOR FILING DATE: 1994-10-13
     28 <150> PRIOR APPLICATION NUMBER: USSN 08/309,313
     29 <151> PRIOR FILING DATE: 1994-09-20
     31 <150> PRIOR APPLICATION NUMBER: USSN 08/190,328
     32 <151> PRIOR FILING DATE: 1994-01-31
     34 <150> PRIOR APPLICATION NUMBER: USSN 08/041,431
     35 <151> PRIOR FILING DATE: 1993-03-31
     37 <160> NUMBER OF SEQ ID NOS: 123
     39 <170> SOFTWARE: PatentIn Ver. 2.0
ERRORED SEQUENCES
     743 <210> SEQ ID NO: 75
     744 <211> LENGTH: 80
     745 <212> TYPE: DNA
                                                 _) see item 10 on Ever Summary Sheet
     746 <213> ORGANISM: Chimaera sp.
    748 <400> SEQUENCE: 75
E--> 749 gcggagctcm (nnmnnmnnmn nmnncttttc taattgcaag gattgttcga taacgtcatt 60
     750 agetetetta ttetgeaggg
     786 <210> SEQ ID NO: 80
    787 <211> LENGTH: 6
     788 <212> TYPE: PRT
     789 <213> ORGANISM: Homo sapiens
     791 <400> SEQUENCE: 80
E--> 792 Gly(Xaa)Gly(Xaa Xaa)
    793
          1
    806 <210> SEQ ID NO: 82
    807 <211> LENGTH: 4
     808 <212> TYPE: PRT
    809 <213> ORGANISM: Rattus sp.
    811 <400> SEQUENCE: 82
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RAW SEQUENCE LISTING

Input Set : A:\SEQLIST.txt

PATENT APPLICATION: US/09/581,861



RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/581,861

DATE: 04/25/2001 TIME: 08:41:43

Input Set : A:\SEQLIST.txt

Output Set: N:\CRF3\04252001\I581861.raw

E--> 812 Met Gly Xaa Ser 813 1 816 <210> SEQ ID NO: 83 817 <211> LENGTH: 4 818 <212> TYPE: PRT

819 <213> ORGANISM: Rattus sp.

821 <400> SEQUENCE 83

E--> 822 Cys Ala Ala (Xaa) Jen 10

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/581,861

DATE: 04/25/2001

TIME: 08:41:45

Input Set : A:\SEQLIST.txt

Output Set: N:\CRF3\04252001\I581861.raw

L:10 M:270 C: Current Application Number differs, Replaced Application Number L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date L:749 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:75 L:792 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:80 L:812 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:82 L:822 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:83